

# HOW TO SEE SOUND

## MATERIALS

- Large bowl
- Plastic wrap
- 1 teaspoon of uncooked rice
- Metal pan (or metal cookie sheet)
- Metal spoon

## DIRECTIONS

1. Cover the top of the bowl with a piece of plastic wrap.
2. Secure the plastic wrap over the bowl. Make sure the plastic wrap is very tight.
3. Pour 1 teaspoon of uncooked rice on top of the plastic wrap.
4. Hold the metal pan in the air and position it next to the bowl.
5. Take the metal spoon and bang on the metal pan like a drum and watch what happens to the rice.

# STEM ACTIVITY CARDS



**KANSAS  
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*Making Connections for  
Out-of-School Time*

ACTIVITY FOUND AT:  
[http://coolscienceexperimentshq.com/  
how-to-see-sound/](http://coolscienceexperimentshq.com/how-to-see-sound/)

## WHY?

The rice moves and jumps around because of the sound waves that are caused when the spoon hits the pan. These sound waves travel through the air and when they reach the plastic wrap it vibrates, causing the rice to move. The sound waves are also what allow us to hear the noise of the spoon hitting the pan.

# STEM

## ACTIVITY CARDS

### SCIENCE TERMS FOR FURTHER DISCUSSION:

- Wave length
- Vibration
- Volume
- Tension